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(FILE 'USPAT' ENTERED AT 15:54:21 ON 28 FEB 96)

SET PAGELength 62

SET LINELENGTH 78

SET HIGH OFF

L1 224005 S LASER OR BEAM  
L2 14526 S RECORD### (9A) LAYER#  
L3 38995 S FOCUS### (9A) LENS##  
L4 1475 S LENS## (9A) CONVERG### (9A) (L1 OR LIGHT) (9A) REFLECT###  
L5 109 S L1 AND L2 AND L3 AND L4  
L6 43914 S WAVELENGTH (9A) (L1 OR LIGHT)  
L7 68 S L5 AND L6  
L8 4050 S SEPARAT### (9A) REFLECT### (9A) (L1 OR LIGHT)  
L9 19 S L7 AND L8

=> d 19 pn,ti,cls 1-19

US PAT NO: 5,473,154 [IMAGE AVAILABLE] L9: 1 of 19  
28 FEB 96 16:13:04 U.S. Patent & Trademark Office P0004  
TITLE: Optical pickup apparatus employing nonpolarization beam  
splitter and quarter wavelength plate

5,473,154 [IMAGE AVAILABLE] 2 CLASSIFICATIONS L9: 1 of 19

1. 250/201.5 OR
2. 369/44.23 XR

US PAT NO: 5,418,765 [IMAGE AVAILABLE] L9: 2 of 19  
TITLE: Apparatus for recording and reproducing optical information  
having an optical waveguide

5,418,765 [IMAGE AVAILABLE] 7 CLASSIFICATIONS L9: 2 of 19

1. 369/44.12 OR
2. 369/44.23 XR
3. 369/112 XR
4. 369/121 XR
5. 385/14 XR
6. 385/36 XR
7. 385/130 XR

US PAT NO: 5,414,451 [IMAGE AVAILABLE] L9: 3 of 19  
TITLE: Three-dimensional recording and reproducing apparatus

5,414,451 [IMAGE AVAILABLE] 1 CLASSIFICATIONS L9: 3 of 19

1. 347/258 OR

US PAT NO: 5,410,531 [IMAGE AVAILABLE] L9: 4 of 19  
TITLE: Noise reduction in a multiplex recorded optical information  
system

5,410,531 [IMAGE AVAILABLE] 5 CLASSIFICATIONS L9: 4 of 19

1. 369/110 OR
2. 365/122 XR
3. 369/13 XR
4. 369/107 XR
5. 369/288 XR

US PAT NO: 5,398,223 [IMAGE AVAILABLE] L9: 5 of 19

TITLE: Reproducing method and reproducing apparatus for optical recording medium

5,398,223 [IMAGE AVAILABLE] 2 CLASSIFICATIONS L9: 5 of 19

1. 369/32 OR
2. 369/47 XR

US PAT NO: 5,379,286 [IMAGE AVAILABLE] L9: 6 of 19

TITLE: Optical information recording-reproducing apparatus having a prism

5,379,286 [IMAGE AVAILABLE] 1 CLASSIFICATIONS L9: 6 of 19

1. 369/112 OR

US PAT NO: 5,349,592 [IMAGE AVAILABLE] L9: 7 of 19

TITLE: Super-resolution optical element for use in image forming apparatus

5,349,592 [IMAGE AVAILABLE] 3 CLASSIFICATIONS L9: 7 of 19

1. 372/32 OR
2. 369/112 X

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5,349,592 [IMAGE AVAILABLE] 3 CLASSIFICATIONS L9: 7 of 19

3. 372/103 XR

US PAT NO: 5,347,505 [IMAGE AVAILABLE] L9: 8 of 19

TITLE: Optical medium recording method and apparatus employing pulse width delay and/or advancement

5,347,505 [IMAGE AVAILABLE] 2 CLASSIFICATIONS L9: 8 of 19

1. 369/59 OR
2. 369/60 XR

US PAT NO: 5,272,685 [IMAGE AVAILABLE] L9: 9 of 19

TITLE: Optical system for an information processing apparatus

5,272,685 [IMAGE AVAILABLE] 5 CLASSIFICATIONS L9: 9 of 19

1. 369/44.14 OR
2. 359/487 XR
3. 369/44.23 XR
4. 369/110 XR
5. 369/112 XR

US PAT NO: 5,235,581 [IMAGE AVAILABLE] L9: 10 of 19

TITLE: Optical recording/reproducing apparatus for optical disks with various disk substrate thicknesses

5,235,581 [IMAGE AVAILABLE] 4 CLASSIFICATIONS L9: 10 of 19

1. 369/44.12 OR
2. 369/44.23 XR
3. 369/58 XR
4. 369/112 XR

US PAT NO: 5,218,594 [IMAGE AVAILABLE] L9: 11 of 19

TITLE: Recording medium with an optical waveguide and player for playing the same

5,218,594 [IMAGE AVAILABLE] 4 CLASSIFICATIONS L9: 11 of 19

1. 369/100 OR
2. 369/103 XR
3. 369/111 XR
4. 369/275.1 XR

US PAT NO: 5,063,556 [IMAGE AVAILABLE] L9: 12 of 19

TITLE: Optical information recording medium providing reflected light  
at two different wavelengths, recording apparatus utilizing  
the same

5,063,556 [IMAGE AVAILABLE] 4 CLASSIFICATIONS L9: 12 of 19

1. 369/112 OR
2. 369/100 XR
3. 369/109 XR
4. 369/275.1 XR

US PAT NO: 4,973,836 [IMAGE AVAILABLE] L9: 13 of 19

TITLE: Optical pickup device including a beam splitter having an  
inclined plane

4,973,836 [IMAGE AVAILABLE] 2 CLASSIFICATIONS L9: 13 of 19

1. 250/201.5 OR
2. 369/44.23 X

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4,973,836 [IMAGE AVAILABLE] 2 CLASSIFICATIONS L9: 13 of 19

US PAT NO: 4,927,681 [IMAGE AVAILABLE] L9: 14 of 19

TITLE: Optical information recording medium providing reflected light  
at two different wavelengths

4,927,681 [IMAGE AVAILABLE] 9 CLASSIFICATIONS L9: 14 of 19

1. 428/64.7 OR
2. 346/135.1 XR
3. 347/264 XR
4. 369/108 XR
5. 369/288 XR
6. 428/209 XR
7. 428/690 XR
8. 428/704 XR
9. 428/913 XR

US PAT NO: 4,885,732 [IMAGE AVAILABLE] L9: 15 of 19

TITLE: Optical pickup apparatus for detecting and correcting focusing  
and tracking errors in detected recorded signals

4,885,732 [IMAGE AVAILABLE] 4 CLASSIFICATIONS L9: 15 of 19

1. 369/44.23 OR
2. 369/44.12 XR
3. 385/15 XR
4. 385/130 XR

US PAT NO: 4,682,315 [IMAGE AVAILABLE] L9: 16 of 19

TITLE: Focussing error detection device for use in optical disk type  
recording system

4,682,315 [IMAGE AVAILABLE] 4 CLASSIFICATIONS L9: 16 of 19

1. 369/44.24 OR
2. 250/201.5 XR
3. 369/44.42 XR
4. 369/110 XR

US PAT NO: 4,641,023 [IMAGE AVAILABLE] L9: 17 of 19

TITLE: Optical head

4,641,023 [IMAGE AVAILABLE] 2 CLASSIFICATIONS L9: 17 of 19

1. 250/216 OR
2. 359/824 XR

US PAT NO: 4,243,848 [IMAGE AVAILABLE] L9: 18 of 19

TITLE: Focus control system for optical read-out apparatus

4,243,848 [IMAGE AVAILABLE] 5 CLASSIFICATIONS L9: 18 of 19

1. 369/44.25 OR
2. 250/202 XR
3. 369/44.35 XR
4. 369/112 XR
5. 369/124 XR

US PAT NO: 4,122,462 [IMAGE AVAILABLE] L9: 19 of 19

TITLE: Image information recording apparatus

4,122,462 [IMAGE AVAILABLE] 6 CLASSIFICATIONS L9: 19 of 19

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4,122,462 [IMAGE AVAILABLE] 6 CLASSIFICATIONS L9: 19 of 19

1. 354/5 OR
2. 347/135 XR
3. 347/137 XR
4. 355/220 XR
5. 358/300 XR
6. 358/481 XR

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